

DEC 15 2010

COMPASS BIG BLUE, LLC

Notification & Certification of Self-Implementing Cleanup and Disposal of PCB Remediation Waste

Site:

**Former GST Steel Facility
Tract F-7
8116 Wilson Road
Kansas City, MO**

Submitted To:



513009



RCRA

**U.S. Environmental Protection Agency
Region 7
901 North 5th Street
Kansas City, Kansas 66101**

D045

Prepared For:

**Compass Big Blue, LLC
8116 Wilson Road
Kansas City, MO**
Report Issue Date: December 8, 2010

Notification & Certification of Self-Implementing Cleanup and Disposal of PCB Remediation Waste

**Former GST Steel Facility
Tract F-7
Kansas City, MO**

Prepared by:



Sam Peterson, P.G.
Environmental Geologist

Reviewed by:



John Kupar, P.G.

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1.0 INTRODUCTION

1.1 Background

Compass Big Blue, LLC (Compass) purchased 250 acres of the former GST Steel Facility, located in Kansas City, MO, in 2002. Compass has subsequently demolished the majority of the former buildings and site infrastructure to prepare the property for redevelopment. The former GST Steel Facility is located at 8116 Wilson Road in Kansas City, MO (**Exhibit I**). The Tract F-7 property was the former Slag Processing Area of the facility. Tract F-7 (**Exhibit II**) consists of approximately 15.7 acres and is located west of the former Coil Storage Area (Tract-F8) and north of the Former Melt Shop Complex (Tract-F5). A former electric substation was located at the eastern portion of Tract F-7. All buildings and infrastructure have been removed from this tract.

In December of 2007 and February of 2009, Compass undertook remedial measures to contain and remove potential PCB contaminated media at the small electrical substation, located at the northeast corner of Tract F-7. The substation was previously vandalized and copper wire and copper containing transformer components were removed from the site. The small metal frame building was demolished and the contents of the building along with the remnants of any electrical equipment and steel from the building were transported and disposed of at a TSCA permitted facility (Wayne Disposal, MID048090633) in Michigan.

In February 2009, sampling of the substations concrete pad was initiated. The sampling program also included sampling of the underlying and adjacent soils to the concrete pad. The sampling results indicated that the northeast portion of the concrete pad was contaminated with high level of PCB's. The sampling results of the soils under the concrete pad and soils adjacent to the pad indicated a localized area of contamination. The northeast ~17' x ~17' of the concrete slab was demolished and sent for offsite disposal at a TSCA permitted facility. The soils were excavated to depths between 0.5' and 1' below ground surface and sent off site for disposal at a permitted TSCA facility.

In October 2010, at the request of the USEPA, in order to fully characterize the site in accordance with 40 CFR 761 Subpart O, Compass collected a total of 45 soil samples from 22 different locations. At each location, one soil sample was collected from the surface of the silty clay material located at the interface of the silty clay/slag or silty clay/concrete transition, or from the site surface. At several locations, an additional one or two samples were collected to depths ranging between 2' and 4' below ground surface, in order to delineate the vertical extent of contamination. The attached **Exhibit III and Table A** illustrate the locations, depths, and PCB concentrations detected during this sampling event.

As a result of the impacts revealed during the latest investigation, Compass intends to remediate the northeastern portion of the former electrical substation area (Remediation Site). Approximately 100 cubic yards of PCB impacted soil from this area will be excavated, loaded into appropriate containers and disposed of off-site at an approved waste management facility. Compass intends to excavate and dispose of all on-site soil that exhibits concentrations of PCBs above the *Low Occupancy Area* cleanup level of 25 ppm.

1.2 Purpose and Scope

This notification and certification (henceforth referred to as the "application") was prepared by Compass to satisfy the requirements for Self- Implementing Cleanup and Disposal of PCB

Remediation Waste stipulated under 40 CFR 761.61(a)(3) and relies, in part, on the analytical data previously collected at the Remediation Site. The remainder of this application is formatted consistent with 40 CFR 761.61(a)(3).

Content of Notice (Application) pursuant to 40 CFR 761.61(a)(3):

[A] The nature of the contamination including the types of materials contaminated.

The contamination resulted from the release of oil containing Aroclor 1260 from a transformer located within the former electrical substation, as a result of vandalism. Soil and concrete in the vicinity of this former transformer was contaminated by this PCB-containing oil. Therefore, the types of materials contaminated include soil and concrete.

[B] A summary of the procedures used to sample contaminated and adjacent areas and a table or cleanup site map showing PCB concentrations measured in all precleanup characterization samples.

Procedures used to sample the contaminated and adjacent areas are summarized in Section 2.0, Site Sampling Procedures. Tables and maps showing a summary of all pre-cleanups characterization results for analysis of PCBs are attached and referenced in Section 2.0, Site Sampling Procedures.

[C] The location and extent of the identified contaminated area(s), including topographic maps with sample collection sites cross referenced to the sample identification numbers in the data summary from [B].

Maps depicting the location and extent of contaminated areas cross-referenced to sample identification numbers are included with this application in **Exhibit III** and **Table A** referenced in Section 2.0, Site Sampling Procedures.

[D] A cleanup plan for the site including schedule, disposal technology, approach and contingencies in the event of the discovery of higher concentrations, wider distributions or other obstacles that would force a change in the cleanup approach.

The proposed cleanup plan with schedule, disposal technology, and contingencies is included in Section 3.0, Site Remedial Implementation Plan.

[E] A written certification signed by the owner of the property.

A signed certification by the owner and responsible party is included in **Appendix A**.

2.0 SITE SAMPLING PROCEDURES

2.1 Sample Locations

In October 2010, grid sampling was conducted at the Remediation Site in order to fully characterize PCB impacts to site soil in accordance with 40 CFR 761 Subpart O. A 1.5 meter square grid was centered in the cleanup area and samples were collected at the intersections on the grid to obtain both vertical and horizontal delineation of PCB impacts in the cleanup area. During this sampling event, Compass collected a total of 45 soil samples from 22 different locations. A total of 28 samples were analyzed. At each location, one soil sample was collected from the surface of the silty clay material located at the interface of the silty clay/slag or silty clay/concrete transition, or at the site surface (between 0' and 1' below ground surface). At several locations, an additional one or two samples were collected to depths ranging between 2' and 4' below ground surface, in order to delineate the vertical extent of contamination. The attached **Exhibit III** and **Table A** illustrate the locations and PCB concentrations detected from this sampling event. All soil samples were analyzed for PCBs by Pace Analytical Services, Inc., in accordance with EPA Method 8082.

2.2 Sampling Procedures

Soil samples collected during the October 2010 sampling event were obtained using a track-mounted Geoprobe® system with a 2.25" diameter Geoprobe® sampling tube. The tube was lined with a disposable 1.5" diameter polyvinyl chloride (PVC) sleeve. Continuous samples were collected from the ground surface to a depth of approximately 4' below ground surface. The sampling tubes were decontaminated prior to each use with an Alconox®/water solution, and were then rinsed with distilled water. The disposable sleeves were discarded after a single use.

2.3 Analytical Program

2.3.1 Sample Collection

A minimum of 30g of soil was collected from each sample location. Soil was transferred by hand from the disposable liner to a clear 4-ounce glass jar. A new pair of disposable latex gloves was worn for the collection of each sample. All sample containers were pre-cleaned to the U.S. Environmental Protection Agency (EPA) standards and sealed with Teflon® lined plastic screw-on lids. Upon collection of each sample, jars were immediately placed within an insulated cooler filled with ice.

Each soil sample was labeled by a unique identification number upon collection. Each jar was labeled at the time of sampling with the following information using indelible ink:

- Project/site name;
- Date of collection;
- Sample number;
- Name of sample collector

2.3.2 Laboratory Analysis for PCBs

At the completion of sampling, all samples were transported within the ice filled cooler to Pace Analytical Services, Inc., in Lenexa, KS, and subsequently analyzed for PCBs by EPA Method 8082. A chain-of-custody form was prepared, signed, and dated by the sample collector and the

laboratory representative who received the samples. The completed chain-of-custody and laboratory analytical report are attached in **Appendix B**.

3.0 SITE REMEDIAL IMPLEMENTATION PLAN

3.1 Target Cleanup Goals

Compass intends to remediate the impacted area to the *Low Occupancy Area* standard. All soil that exhibits concentrations of PCBs in excess of 25 ppm will be excavated and disposed of off-site.

3.2 Implementation Plan

3.2.1 Overview

The October 2010 sampling event revealed that PCB impacted soil remains on-site at concentrations in excess of the *Low Occupancy Area* standard. However, in several locations, analytical results revealed concentrations below 25 ppm. In accordance with 40 CFR 761.61(a)(6)(ii), the locations of the samples with PCB detections ≤25 ppm shall serve as the limits of the remediation area. In all other locations, where PCBs were detected at concentrations greater than 25 ppm, Compass will excavate both horizontally and vertically to the extent necessary to remove all PCB impacted soil.

3.2.2 Soil Excavation and Backfill

Remediation will be completed through soil excavation and off-site disposal. Compass will excavate all known PCB impacted material and stockpile it on-site for disposal. Excavated material will be placed within a roll-off box lined with high-density polyethylene (HDPE) sheeting. Additionally, HDPE sheeting will be placed on the ground within the work area so as to prevent cross-contamination on-site.

Excavation and disposal will be completed to the limits of all previously collected sample locations exhibiting concentrations of PCBs ≤25 ppm, and to 1' beyond all field screened sample locations exhibiting concentrations of PCBs below the screening detection limit. Compass will use previously collected analytical data to determine the extent of the excavation, where applicable, and collect additional soil samples from the limits of the excavation when necessary to verify cleanup.

Compass plans to cover the excavation with HDPE sheeting and place temporary fencing around the remediation area upon the completion of the initial soil excavation activities. Upon receipt of verification sample laboratory analytical results (~ 24 hrs. after collection), Compass will either continue excavation in order to remove additional impacted soil, or backfill the excavation with site derived slag material.

3.2.3 Verification Sampling

Verification sampling will be completed in the same manner as the previously completed characterization sampling. The same 1.5 meter square grid will be utilized to determine the horizontal extents of the impacted area. In order to determine the vertical extent of contamination, Compass proposes to collect soil samples at 1' depth intervals.

Initially, all soil known to be impacted with PCBs at concentrations exceeding 25 ppm will be excavated and placed into roll-off boxes. Analytical results from the previous sampling event will

be used to establish the initial limits of the excavation. Excavation will then continue horizontally from the impacted areas to the next point on the 1.5 meter, and vertically an additional 1' below the deepest detected impact. Grid points with previous detections in excess of 25 ppm will be sampled again at a depth 1' greater than previously collected. At each location requiring a new soil sample, one sample will be analyzed using the Dexsil Clor-N-Soil PCB Screening Kit and the Dexsil L2000 PCB/Chloride Analyzer. Should the field screening method indicate the presence of PCBs in excess of 25 ppm, excavation and disposal will continue down an additional 1' from the previous sample location and out to the next grid point. When field screening methods indicate that no PCBs are present at concentrations above 25 ppm, the remediation limit will have been met. An additional 1' of soil will be excavated from that area, both horizontally and vertically, and an additional soil sample will be collected from that location by hand and submitted for laboratory analysis, as described in Section 2.3.1.

A Site Specific Health and Safety Plan will be prepared prior to any work being completed on-site. All Compass employees, contractors, and site visitors will be required to read and comply with the Site Specific Safety Plan prepared for this task. A copy of the plan will be kept on-site during remediation and verification sampling activities and will be available for review upon request.

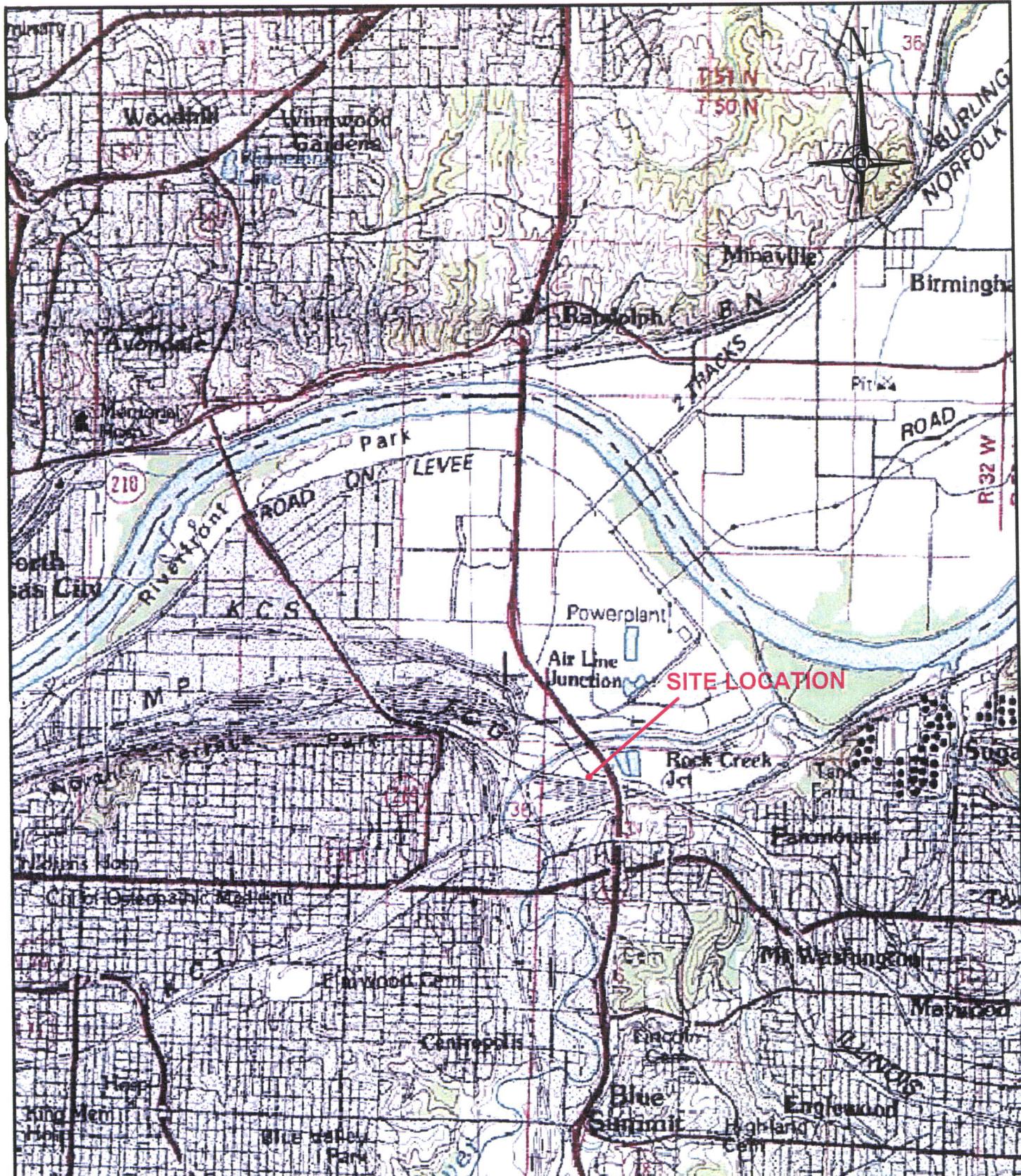
RE

3.2.4 Disposal

Site materials will be disposed of off-site at either a permitted PCB disposal facility, or in a hazardous waste landfill permitted by EPA under section 3004 of RCRA or permitted by a State as authorized under section 3006 of RCRA (see 40 CFR Part 761.61(a)(5)(i)(B)(2)(iii)). It is anticipated that the PCB Remediation Waste being sent off-site will be sent to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal at Heritage's permitted RCRA Subtitle C (authorized under section 3006 of RCRA) facility. The RCRA operating permit issued for the Heritage Subtitle C landfill contains provisions for the management of PCB Remediation Waste.

EXHIBITS

Exhibit I	Site Location Map
Exhibit II	Aerial Photo
Exhibit III	Boring Location Map



Date: December 2010
Scale: NTS
Drawn by: SP
Checked by: JK

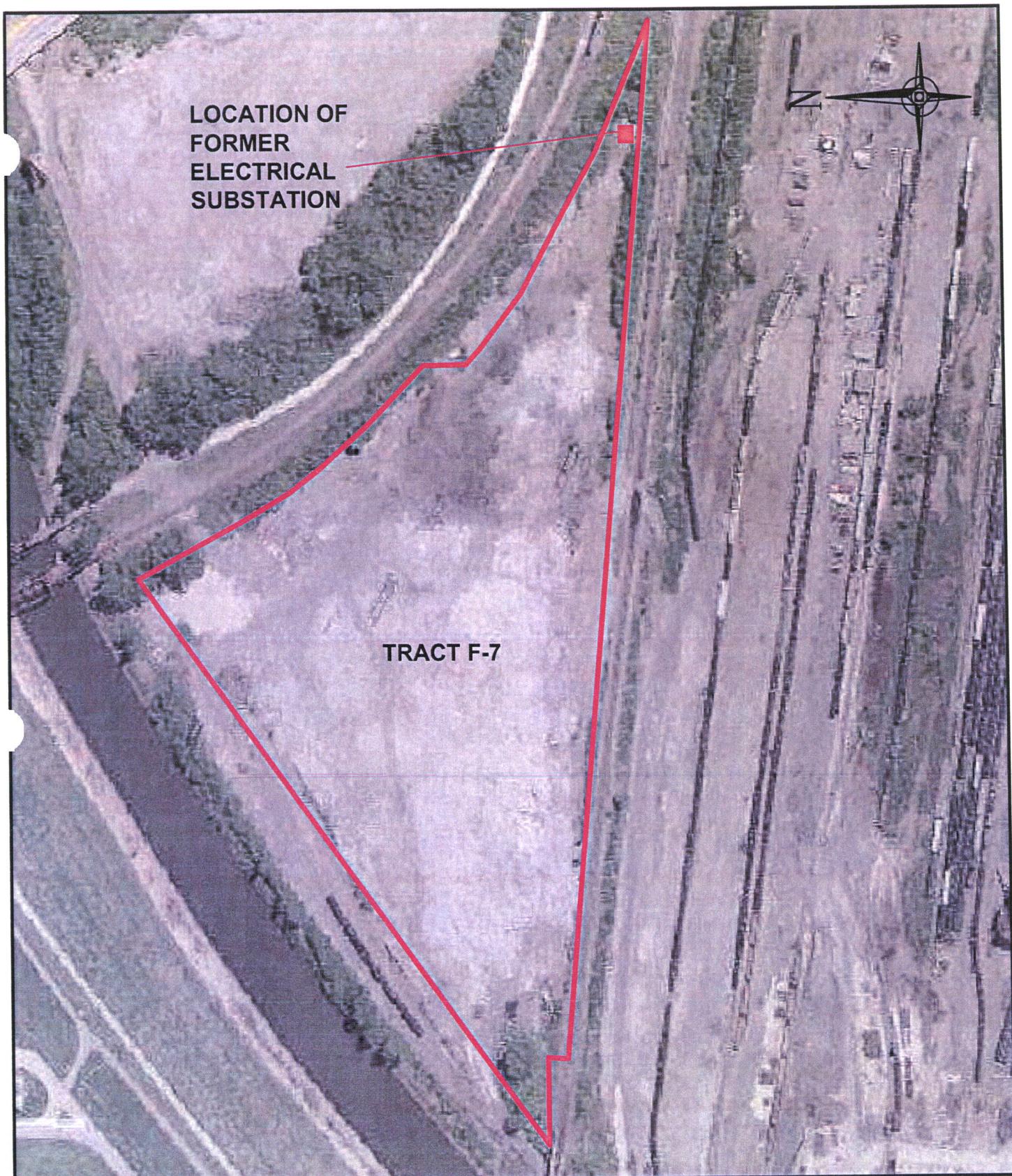
Exhibit I: Site Location Map

Former GST Steel Facility

Tract F-7

Kansas City, MO

COMPASS BIG BLUE, LLC
8116 Wilson Road
Kansas City, Missouri 64125

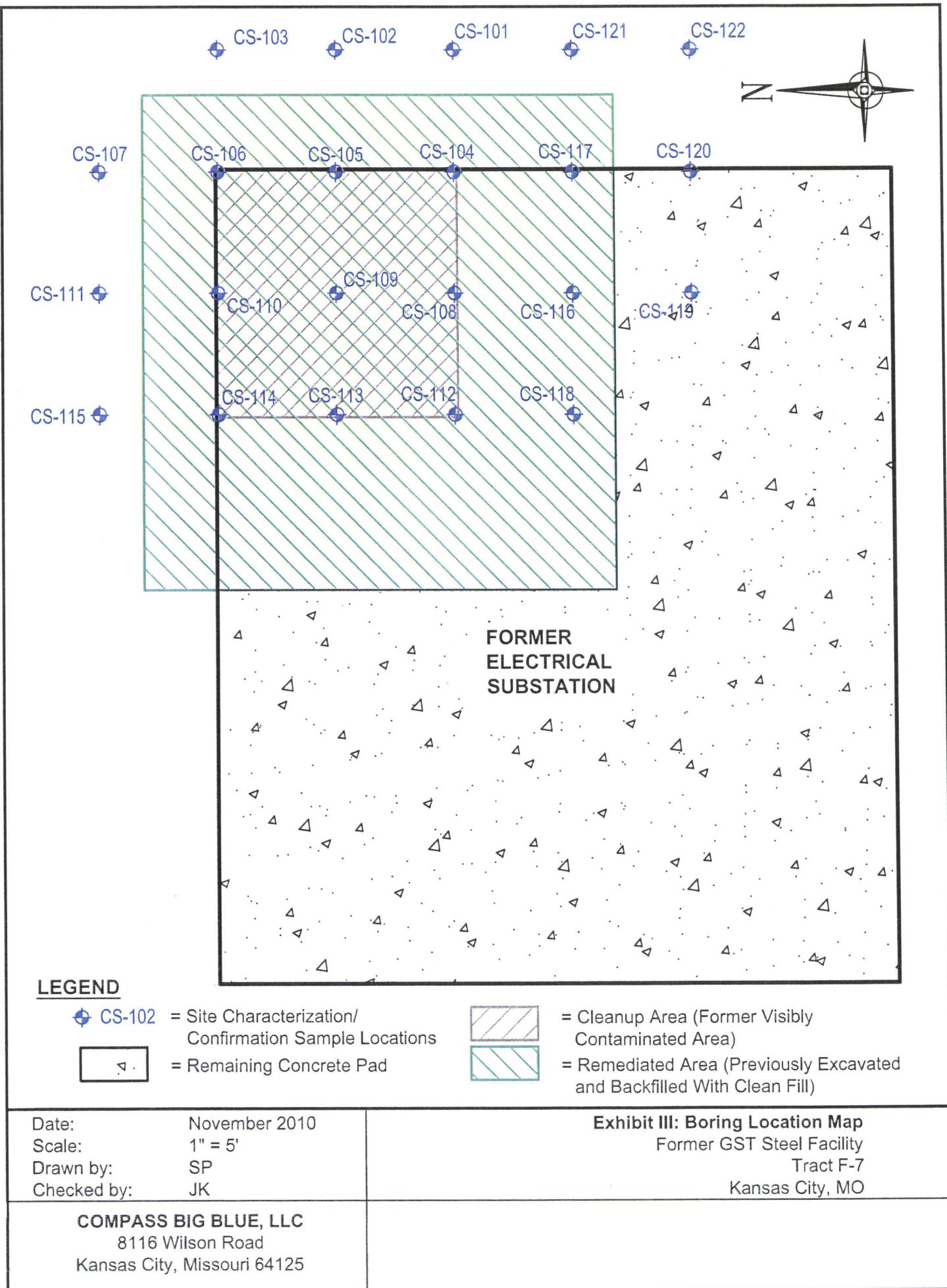


Date:	September 2010
Scale:	NTS
Drawn by:	SP
Checked by:	JK
COMPASS BIG BLUE, LLC 8116 Wilson Road Kansas City, Missouri 64125	

Exhibit II: Aerial Photo
Former GST Steel Facility
Tract F-7
Kansas City, MO

LEGEND

— Tract F-7



TABLES

Table A Soil Analytical Results - PCBs

TABLE A

Soil Analytical Results
PCBs

Compass Big Blue - Tract F-7
8116 Wilson Road
Kansas City, Missouri

Analyte	EPA Remediation Objectives		Sample Date Depth (feet)	CS-101	CS-102	CS-103	CS-104	CS-104	CS-105	CS-105	CS-106
	High Occupancy	Low Occupancy		10/19/10 1'-1.25'	10/19/10 1'-1.25'	10/19/10 0'-0.25'	10/19/10 1.25'-1.5'	10/19/10 2'-2.25'	10/19/10 1'-1.25'	10/19/10 1.75'-2'	10/19/10 1'-1.25'
PCB-1016	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260	1	25		0.882	1.74	0.738	8.93	3.31	90.8	28.3	0.321

NOTES:

1. All results expressed in milligrams per kilogram.
2. ND = Not Detected at or above adjusted reporting limit.
3. Samples were analyzed utilizing EPA Method 8082.
4. **Bold values** = Concentration exceeds EPA High Occupancy remediation objective.
5. = Concentration exceeds EPA Low Occupancy remediation objective.

TABLE A

Soil Analytical Results
PCBs

Compass Big Blue - Tract F-7
8116 Wilson Road
Kansas City, Missouri

Analyte	EPA Remediation Objectves		Sample Date Depth (feet)	CS-106	CS-107	CS-108	CS-108	CS-109	CS-109	CS-110	CS-110
	High Occupancy	Low Occupancy		10/19/10	10/19/10	10/19/10	10/19/10	10/19/10	10/19/10	10/19/10	10/19/10
				1.75'-2'	1'-1.25'	1'-1.25'	3.75'-4'	1.5'-1.75'	2'-2.25'	1.5'-1.75'	2.75'-3'
PCB-1016	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	1	25		ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260	1	25		3.02	0.411	21,300	12,900	8.64	0.653	1.17	ND

NOTES:

1. All results expressed in milligrams per kilogram.
2. ND = Not Detected at or above adjusted reporting limit.
3. Samples were analyzed utilizing EPA Method 8082.
4. **Bold values** = Concentration exceeds EPA High Occupancy remediation objective.
5. = Concentration exceeds EPA Low Occupancy remediation objective.

TABLE A

Soil Analytical Results
PCBs

Compass Big Blue - Tract F-7
8116 Wilson Road
Kansas City, Missouri

Analyte	EPA Remediation Objectives		Sample Date Depth (feet)	CS-111	CS-112	CS-113	CS-114	CS-115	CS-116	CS-116	CS-117	CS-117
	High Occupancy	Low Occupancy		10/19/10 0.5'-0.75'	10/19/10 1'-1.25'	10/19/10 1.1'-1.35'	10/19/10 1'-1.25'	10/19/10 0.5'-0.75'	10/19/10 0.5'-0.75'	10/19/10 3.75'-4'	10/19/10 1'-1.25'	10/19/10 2'-2.25'
PCB-1016	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1221	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1232	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1242	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1248	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1254	1	25		ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260	1	25		0.806	27.2	0.841	ND	ND	13,700	441	150	40.6

NOTES:

1. All results expressed in milligrams per kilogram.
2. ND = Not Detected at or above adjusted reporting limit.
3. Samples were analyzed utilizing EPA Method 8082.
4. **Bold values** = Concentration exceeds EPA High Occupancy remediation objective.
5. = Concentration exceeds EPA Low Occupancy remediation objective.

TABLE A

Soil Analytical Results
PCBs

Compass Big Blue - Tract F-7
8116 Wilson Road
Kansas City, Missouri

Analyte	EPA Remediation Objectives		Sample Date Depth (feet)	CS-118	CS-118	CS-119
	High Occupancy	Low Occupancy		10/19/10 1'-1.25'	10/19/10 2'-2.25'	10/19/10 0.5'-1'
PCB-1016	1	25		ND	ND	ND
PCB-1221	1	25		ND	ND	ND
PCB-1232	1	25		ND	ND	ND
PCB-1242	1	25		ND	ND	ND
PCB-1248	1	25		ND	ND	ND
PCB-1254	1	25		ND	ND	ND
PCB-1260	1	25		0.426	22.3	ND

NOTES:

1. All results expressed in milligrams per kilogram.
2. ND = Not Detected at or above adjusted reporting limit.
3. Samples were analyzed utilizing EPA Method 8082.
4. **Bold values** = Concentration exceeds EPA High Occupancy remediation objective.
5. **[redacted]** = Concentration exceeds EPA Low Occupancy remediation objective.

APPENDICES

Appendix A Owner Certification

Appendix B Laboratory Analytical Results and Chain-of-Custody

Appendix A
Owner Certification

COMPASS BIG BLUE, LLC

8116 Wilson Road
Kansas City, MO 64125

Property Owner and Responsible Party Certification

Notification & Certification of Self-Implementing Cleanup & Disposal of PCB Remediation Waste Former GST Steel Facility, Tract F-7 Kansas City, MO

The Notification & Certification of Self-Implementing Cleanup & Disposal of PCB Remediation Waste (Notification) describes response actions that will be conducted at Tract F-7 of the Former GST Steel Facility in Kansas City, MO.

As the property owner and party responsible for conducting the proposed cleanup described in the Notification, Compass Big Blue, LLC certifies that all sampling plans, sample collection procedures, preparation and extraction procedures, instrument and chemical analysis procedures used to assess or characterize the PCB contamination at the Site are on file at the following location(s) for EPA inspection:

Compass Big Blue, LLC
1302 West Randolph Street
Chicago, Illinois 60119

Compass Big Blue, LLC
8116 Wilson Road
Kansas City, MO 64125

To access these files, please contact Mr. John M. Kupar at (312) 733-9370 – office phone; (630) 235-8555 – cell phone, to arrange an appointment and identify the specific records to be inspected. Compass Big Blue, LLC will compile the information requested and make the information available for review in our office or transmit copies directly to the EPA representative requesting the information.



Jonathan K. Markoff,
Compass Big Blue, LLC

12/9/10
Date

Appendix B
Laboratory Analytical Results and Chain-of-Custody



CHAIN-OF-C ODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Section B Required Project Information:

Section C Invoice Information:

Page: 2 of 4

Company: Compass Big Blue	Report To: Glen Schwartz	Attention:			
Address: 8116 Wilson Rd	Copy To: Sam Peterson	Company Name:	REGULATORY AGENCY		
Kansas City, MO 64125	Johann Kuparz	Address:	<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER	<input type="checkbox"/> DRINKING WATER
Email To: gschwartz@milerail.com	Purchase Order No.:	Pace Quote Reference:	<input type="checkbox"/> UST	<input type="checkbox"/> RCRA	<input type="checkbox"/> OTHER
Phone: (773) 619-4556	Project Name:	Pace Project Manager:			
Fax: (866) 562-1217	Project Number:	Pace Profile #: 4572-1	Site Location:	STATE: MO	
Requested Due Date/TAT: <u>STANDARD</u>					

ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATERIAL CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test! <input checked="" type="checkbox"/> PCBs <input checked="" type="checkbox"/> (4028)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
		MATRIX	CODE			COMPOSITE START		COMPOSITE END/GRAB				H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				Other
		DATE	TIME			DATE	TIME														
1	CS-104 / 1.25-1.5	SX G		10/16/10	1010'	1 X												N	WBFU 013		
2	CS-104 / 0-2.25	SX G			1012	1 X												HOLD	014		
3	CS-104 / 3.75-4	SX G			1015	1 X												HOLD	015		
4	CS-105 / 1-1.25	SX G			1023	1 X												HOLD	016		
5	CS-105 / 1.75-2	SX G			1025	1 X												HOLD	017		
6	CS-106 / 1-1.25	SX G			1040	1 X												HOLD	018		
7	CS-106 / 1.75-2	SX G			1045	1 X												HOLD	019		
8	CS-101 / 1-1.25	SX G			1115	1 X												HOLD	020		
9	CS-101 / 1.75-2	SX G			1118	1 X												HOLD	021		
10	CS-102 / 1-1.25	SX G			1130	1 X												HOLD	022		
11	CS-102 / 0-2.25	SX G			1133	1 X												HOLD	023		
12	CS-103 / 0-0.25	SX G			1148	1 X												HOLD	024		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS											
SEE SAMPLES FOR HOLD		<i>[Signature]</i>		10/18/10	1626	<i>[Signature]</i>		9/19	1626	5.2	Y	Y	Y								

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER:							
SIGNATURE of SAMPLER:				DATE Signed (MM/DD/YY):			



CHAIN-OF-C ODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: Compass Big Blue	Report To: Glen Schwartz	Attention:	Page: 3 of 4
Address: 8116 Wilson Rd	Copy To: Sam Peterson	Company Name:	REGULATORY AGENCY
Kansas City, MO 64125	John Ku PAR	Address:	<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input checked="" type="checkbox"/> DRINKING WATER
Email To: gschwarz@mileraill.com	Purchase Order No.:	Pace Quote Reference:	<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
Phone: (773) 619-4556	Fax: (866) 562-1217	Pace Project Manager: Sherri Guess	Site Location
Requested Due Date/TAT: STANDARD	Project Number:	Pace Profile #: 4572-1	STATE: MO

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Y/N	Analysis Test	Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
		MATRIX	CODE			COMPOSITE START	COMPOSITE END/GRAB			H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol						
1	CS-103/2-2-25	SL	G			10/19/10	15:00		1	X										N	HOLD WFW 025
2	CS-107/1-1-25	SL	G					1200	1	X											026
3	CS-107/2-2-25	SL	G					1203	1	X										HOLD	027
4	CS-111/2-5-6-75	SL	G					1212	1	X										HOLD	028
5	CS-111/2-2-25	SL	G					1215	1	X										HOLD	029
6	CS-115/6-5-0-75	SL	G					1222	1	X										HOLD	030
7	CS-115/2-2-25	SL	G					1225	1	X										HOLD	031
8	CS-117/1-1-25	SL	G					1238	1	X										HOLD	032
9	CS-117/2-2-25	SL	G					1240	1	X										HOLD	033
10	CS-117/3-35-3-5	SL	G					1240	1	X										HOLD	034
11	CS-118/1-1-25	SL	G					1250	1	X										HOLD	035
12	CS-118/2-2-25	SL	G					1250	1	X										HOLD	036

ADDITIONAL COMMENTS

SEE SAMPLES FOR HOLD

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed
(MM/DD/YY):

Temp in °C	Received on Job (Y/N)	Custody Sealed/Coder (Y/N)	Samples intact (Y/N)
------------	-----------------------	----------------------------	----------------------

F-ALL-Q-020rev.07, 15-Feb-2007

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-C ODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 4							
Company: Compass Big Blue	Report To: Glen Schwartz	Attention:		Company Name:	REGULATORY AGENCY								
Address: 8116 Wilson Rd	Copy To: Sam Peterson			Address:	<input type="checkbox"/> NPDES	GROUND WATER	DRINKING WATER						
Kansas City, MO 64125	John KUPAR			Pace Quote Reference:	<input type="checkbox"/> UST	RCRA	OTHER						
Email To: gschwartz@milerail.com	Purchase Order No.:			Pace Project Manager:									
Phone: (773) 619-4556 Fax: (866) 562-1217	Project Name:			Pace Profile #: 4572-1	Site Location STATE: MO								
Requested Due Date/TIME: STANDARD	Project Number:												
Requested Analysis Filtered (Y/N)													
ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives		Analysis Test Y/N	PCBs	SO ₂	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
		MATRIX CODE (see valid codes to left)	MATRIX CODE (G=GRAB C=COMP)			COMPOSITE START	COMPOSITE END/GRAB						H ₂ SO ₄
DATE	TIME	DATE	TIME										
1 CS-118 / 3.75 -4	SL G	10/10/00	1254	1	X							N HOLD WFLW 037	
2 CS-119 / 0.5 -1	SL G		1310	1	X							I HOLD 038	
3 CS-119 / 2.5 -3	SL G		1312	1	X							HOLD 039	
4 CS-120 / 1-1.25	SL G		1335	1	X							HOLD 040	
5 CS-120 / 2-2.25	SL G		1338	1	X							HOLD 041	
6 CS-121 / 0.5-0.75	SL G		1350	1	X							HOLD 042	
7 CS-121 / 2-2.25	SL G		1352	1	X							HOLD 043	
8 CS-122 / 6-0.05	SL G	1405		1	X							HOLD 044	
9 CS-122 / 2-2.25	SL G	1408		1	X							HOLD 045	
10	SL G												
11													
12													
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
SEE SAMPLES FOR H2O		S B P		10/10/00	1620	S B P		10/19	1626	5.2	Y	Y	
SAMPLE NAME AND SIGNATURE													
PRINT Name of SAMPLER:													
SIGNATURE of SAMPLER:						DATE Signed (MM/DD/YY):							
				Temp in 'C			Received on Cap (Y/N)			Custody Sealed/Cooler (Y/N)			
													Samples intact

Sample Condition Upon Receipt



Client Name: Campus Bay Blue Project # 00B7109

Courier: FedEx UPS USPS Client Commercial Pace Other _____
 Tracking #: _____ Pace Shipping Label Used? Yes No

Optional
Proj. Due Date: <u>10/29</u>
Proj. Name: <u>PCBS</u>

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other _____

Thermometer Used: T-191 / T-194

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Cooler Temperature: 5.2

Temperature should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: BR 10/19

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody filled out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler name & signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Filtered volume received for dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sample labels match COC: -Includes date/time/ID/analyses Matrix:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>SL</u>
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed _____ Lot # of added preservative _____
Trip Blank present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Pace Trip Blank lot # (if purchased):		
Headspace in VOA vials (>6mm):-	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Project sampled in USDA Regulated Area:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	TX List State: <u>MO</u>

Client Notification/ Resolution: Copy COC to Client? Y N Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Signature

Date: 10-20-10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

November 11, 2010

Glen Schwartz
Compass Big Blue
8116 Wilson Road
Kansas City, MO 64125

RE: Project: PCBs
Pace Project No.: 6087699

Dear Glen Schwartz:

Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sherri Guess

sherri.guess@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PCBs
Pace Project No.: 6087699

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

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SAMPLE SUMMARY

Project: PCBs
 Pace Project No.: 6087699

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6087699001	CS-112/1-1.25	Solid	10/19/10 08:05	10/19/10 16:26
6087699002	CS-113/1.1-1.35	Solid	10/19/10 08:20	10/19/10 16:26
6087699003	CS-114/1-1.25	Solid	10/19/10 08:30	10/19/10 16:26
6087699004	CS-108/1-1.25	Solid	10/19/10 08:45	10/19/10 16:26
6087699005	CS-108/3.75-4	Solid	10/19/10 08:48	10/19/10 16:26
6087699006	CS-116 / 0.5-0.75	Solid	10/19/10 09:08	10/19/10 16:26
6087699007	CS-116 / 3.75-4	Solid	10/19/10 09:10	10/19/10 16:26
6087699008	CS-109 / 1.5-1.75	Solid	10/19/10 09:25	10/19/10 16:26
6087699009	CS-109 / 2-2.25	Solid	10/19/10 09:40	10/19/10 16:26
6087699011	CS-110 / 1.5-1.75	Solid	10/19/10 09:55	10/19/10 16:26
6087699012	CS-110 / 2.75-3	Solid	10/19/10 09:58	10/19/10 16:26
6087699013	CS-104 / 1.25-1.5	Solid	10/19/10 10:10	10/19/10 16:26
6087699014	CS-104 / 0-2.25	Solid	10/19/10 10:12	10/19/10 16:26
6087699016	CS-105 / 1-1.25	Solid	10/19/10 10:23	10/19/10 16:26
6087699017	CS-105 / 1.75-2	Solid	10/19/10 10:25	10/19/10 16:26
6087699018	CS-106 / 1-1.25	Solid	10/19/10 10:40	10/19/10 16:26
6087699019	CS-106 / 1.75-2	Solid	10/19/10 10:45	10/19/10 16:26
6087699020	CS-101 / 1-1.25	Solid	10/19/10 11:15	10/19/10 16:26
6087699022	CS-102 / 1-1.25	Solid	10/19/10 11:30	10/19/10 16:26
6087699024	CS-103 / 0-0.25	Solid	10/19/10 11:48	10/19/10 16:26
6087699026	CS-107 / 1-1.25	Solid	10/19/10 12:00	10/19/10 16:26
6087699028	CS-111 / 0.5-0.75	Solid	10/19/10 12:12	10/19/10 16:26
6087699030	CS-115 / 0.5-0.75	Solid	10/19/10 12:22	10/19/10 16:26
6087699032	CS-117 / 1-1.25	Solid	10/19/10 12:38	10/19/10 16:26
6087699033	CS-117 / 2-2.25	Solid	10/19/10 12:40	10/19/10 16:26
6087699035	CS-118 / 1-1.25	Solid	10/19/10 12:50	10/19/10 16:26
6087699036	CS-118 / 2-2.25	Solid	10/19/10 12:52	10/19/10 16:26
6087699038	CS-119 / 0.5-1	Solid	10/19/10 13:10	10/19/10 16:26

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PCBs
 Pace Project No.: 6087699

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6087699001	CS-112/1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699002	CS-113/1.1-1.35	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699003	CS-114/1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699004	CS-108/1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699005	CS-108/3.75-4	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699006	CS-116 / 0.5-0.75	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699007	CS-116 / 3.75-4	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699008	CS-109 / 1.5-1.75	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699009	CS-109 / 2-2.25	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699011	CS-110 / 1.5-1.75	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699012	CS-110 / 2.75-3	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699013	CS-104 / 1.25-1.5	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699014	CS-104 / 0-2.25	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699016	CS-105 / 1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699017	CS-105 / 1.75-2	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699018	CS-106 / 1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699019	CS-106 / 1.75-2	EPA 8082	NAW	9
		ASTM D2974-87	BAC	1
6087699020	CS-101 / 1-1.25	EPA 8082	NAW	9
		ASTM D2974-87	LAW	1
6087699022	CS-102 / 1-1.25	EPA 8082	NAW	9

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PCBs
 Pace Project No.: 6087699

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6087699024	CS-103 / 0-0.25	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699026	CS-107 / 1-1.25	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699028	CS-111 / 0.5-0.75	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699030	CS-115 / 0.5-0.75	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699032	CS-117 / 1-1.25	ASTM D2974-87	LAW	1
		EPA 8082	NAW	9
6087699033	CS-117 / 2-2.25	ASTM D2974-87	BAC	1
		EPA 8082	NAW	9
6087699035	CS-118 / 1-1.25	ASTM D2974-87	BAC	1
		EPA 8082	NAW	9
6087699036	CS-118 / 2-2.25	ASTM D2974-87	BAC	1
		EPA 8082	NAW	9
6087699038	CS-119 / 0.5-1	ASTM D2974-87	BAC	1
		EPA 8082	NAW	9
		ASTM D2974-87	BAC	1

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-112/1-1.25 Lab ID: 6087699001 Collected: 10/19/10 08:05 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	11097-69-1	
PCB-1260 (Aroclor 1260)	27200 ug/kg		2290	10	10/27/10 00:00	10/28/10 17:05	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	10	10/27/10 00:00	10/28/10 17:05	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	10	10/27/10 00:00	10/28/10 17:05	2051-24-3	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	20.6 %		0.50	1		10/26/10 00:00		

Date: 11/11/2010 02:28 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-113/1.1-1.35 Lab ID: 6087699002 Collected: 10/19/10 08:20 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	11097-69-1	
PCB-1260 (Aroclor 1260)	841 ug/kg		242	1	10/27/10 00:00	10/28/10 17:19	11096-82-5	
Tetrachloro-m-xylene (S)	87 %		35-124	1	10/27/10 00:00	10/28/10 17:19	877-09-8	
Decachlorobiphenyl (S)	94 %		15-120	1	10/27/10 00:00	10/28/10 17:19	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	21.1 %		0.50	1		10/26/10 00:00		

Date: 11/11/2010 02:28 PM

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-114/1-1.25 Lab ID: 6087699003 Collected: 10/19/10 08:30 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		260	1	10/27/10 00:00	10/28/10 17:34	11096-82-5	
Tetrachloro-m-xylene (S)	86 %		35-124	1	10/27/10 00:00	10/28/10 17:34	877-09-8	
Decachlorobiphenyl (S)	90 %		15-120	1	10/27/10 00:00	10/28/10 17:34	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	24.6 %		0.50	1		10/26/10 00:00		

Date: 11/11/2010 02:28 PM

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-108/1-1.25 Lab ID: 6087699004 Collected: 10/19/10 08:45 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	11097-69-1		
PCB-1260 (Aroclor 1260)	21300000 ug/kg		2390000 10000	10/27/10 00:00	10/29/10 11:00	11096-82-5		
Tetrachloro-m-xylene (S)	0 %		35-124 10000	10/27/10 00:00	10/29/10 11:00	877-09-8	D4,S4	
Decachlorobiphenyl (S)	0 %		15-120 10000	10/27/10 00:00	10/29/10 11:00	2051-24-3	S4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	20.3 %		0.50	1		10/26/10 00:00		

Date: 11/11/2010 02:28 PM

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-108/3.75-4 Lab ID: 6087699005 Collected: 10/19/10 08:48 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	11097-69-1		
PCB-1260 (Aroclor 1260)	12900000 ug/kg		2410000 10000	11/02/10 00:00	11/11/10 10:21	11096-82-5		
Tetrachloro-m-xylene (S)	0 %		35-124 10000	11/02/10 00:00	11/11/10 10:21	877-09-8	D4,S4	
Decachlorobiphenyl (S)	0 %		15-120 10000	11/02/10 00:00	11/11/10 10:21	2051-24-3	S4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	25.4 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-116 / 0.5-0.75 Lab ID: 6087699006 Collected: 10/19/10 09:08 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	11097-69-1		
PCB-1260 (Aroclor 1260)	13700000 ug/kg		2210000 10000	11/02/10 00:00	11/11/10 10:35	11096-82-5		
Tetrachloro-m-xylene (S)	0 %		35-124 10000	11/02/10 00:00	11/11/10 10:35	877-09-8	D4,S4	
Decachlorobiphenyl (S)	0 %		15-120 10000	11/02/10 00:00	11/11/10 10:35	2051-24-3	S4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	14.7 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-116 / 3.75-4 Lab ID: 6087699007 Collected: 10/19/10 09:10 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	11097-69-1	
PCB-1260 (Aroclor 1260)	441000 ug/kg		23400	100	11/02/10 00:00	11/10/10 17:02	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	100	11/02/10 00:00	11/10/10 17:02	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	100	11/02/10 00:00	11/10/10 17:02	2051-24-3	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	22.5 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-109 / 1.5-1.75 Lab ID: 6087699008 Collected: 10/19/10 09:25 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	11097-69-1	
PCB-1260 (Aroclor 1260)	8640 ug/kg		1290	5	10/27/10 00:00	10/29/10 11:28	11096-82-5	
Tetrachloro-m-xylene (S)	90 %		35-124	5	10/27/10 00:00	10/29/10 11:28	877-09-8	
Decachlorobiphenyl (S)	101 %		15-120	5	10/27/10 00:00	10/29/10 11:28	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	24.7 %		0.50	1			10/26/10 00:00	

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-109 / 2-2.25 Lab ID: 6087699009 Collected: 10/19/10 09:40 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	11097-69-1	
PCB-1260 (Aroclor 1260)	653 ug/kg		246	1	11/02/10 00:00	11/10/10 12:31	11096-82-5	
Tetrachloro-m-xylene (S)	75 %		35-124	1	11/02/10 00:00	11/10/10 12:31	877-09-8	
Decachlorobiphenyl (S)	81 %		15-120	1	11/02/10 00:00	11/10/10 12:31	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	25.0 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-110 / 1.5-1.75 Lab ID: 6087699011 Collected: 10/19/10 09:55 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	11097-69-1	
PCB-1260 (Aroclor 1260)	1170 ug/kg		247	1	10/27/10 00:00	10/29/10 11:42	11096-82-5	
Tetrachloro-m-xylene (S)	83 %		35-124	1	10/27/10 00:00	10/29/10 11:42	877-09-8	
Decachlorobiphenyl (S)	87 %		15-120	1	10/27/10 00:00	10/29/10 11:42	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	24.9 %		0.50	1		10/26/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-110 / 2.75-3 Lab ID: 6087699012 Collected: 10/19/10 09:58 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		239	1	11/02/10 00:00	11/10/10 12:46	11096-82-5	
Tetrachloro-m-xylene (S)	82 %		35-124	1	11/02/10 00:00	11/10/10 12:46	877-09-8	
Decachlorobiphenyl (S)	88 %		15-120	1	11/02/10 00:00	11/10/10 12:46	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	21.5 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-104 / 1.25-1.5 Lab ID: 6087699013 Collected: 10/19/10 10:10 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	11097-69-1	
PCB-1260 (Aroclor 1260)	8930 ug/kg		1270	5	10/27/10 00:00	10/29/10 11:56	11096-82-5	
Tetrachloro-m-xylene (S)	89 %		35-124	5	10/27/10 00:00	10/29/10 11:56	877-09-8	
Decachlorobiphenyl (S)	98 %		15-120	5	10/27/10 00:00	10/29/10 11:56	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	22.3 %		0.50	1		10/26/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-104 / 0-2.25 Lab ID: 6087699014 Collected: 10/19/10 10:12 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	11097-69-1	
PCB-1260 (Aroclor 1260)	3310 ug/kg		241	1	11/02/10 00:00	11/10/10 13:00	11096-82-5	
Tetrachloro-m-xylene (S)	81 %		35-124	1	11/02/10 00:00	11/10/10 13:00	877-09-8	
Decachlorobiphenyl (S)	88 %		15-120	1	11/02/10 00:00	11/10/10 13:00	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	24.9 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-105 / 1-1.25 Lab ID: 6087699016 Collected: 10/19/10 10:23 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	11097-69-1	
PCB-1260 (Aroclor 1260)	90800 ug/kg		11900	50	10/27/10 00:00	10/29/10 12:10	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	50	10/27/10 00:00	10/29/10 12:10	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	50	10/27/10 00:00	10/29/10 12:10	2051-24-3	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	23.5 %		0.50	1			10/26/10 00:00	

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-105 / 1.75-2 Lab ID: 6087699017 Collected: 10/19/10 10:25 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	11097-69-1	
PCB-1260 (Aroclor 1260)	28300 ug/kg		2480	10	11/02/10 00:00	11/10/10 17:44	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	10	11/02/10 00:00	11/10/10 17:44	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	10	11/02/10 00:00	11/10/10 17:44	2051-24-3	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	21.3 %		0.50	1			11/01/10 00:00	

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-106 / 1-1.25 Lab ID: 6087699018 Collected: 10/19/10 10:40 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	11097-69-1	
PCB-1260 (Aroclor 1260)	321 ug/kg		249	1	10/27/10 00:00	10/29/10 12:24	11096-82-5	
Tetrachloro-m-xylene (S)	91 %		35-124	1	10/27/10 00:00	10/29/10 12:24	877-09-8	
Decachlorobiphenyl (S)	97 %		15-120	1	10/27/10 00:00	10/29/10 12:24	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	24.6 %		0.50	1		10/26/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-106 / 1.75-2 Lab ID: 6087699019 Collected: 10/19/10 10:45 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	11097-69-1	
PCB-1260 (Aroclor 1260)	3020 ug/kg		233	1	11/02/10 00:00	11/10/10 13:28	11096-82-5	
Tetrachloro-m-xylene (S)	81 %		35-124	1	11/02/10 00:00	11/10/10 13:28	877-09-8	
Decachlorobiphenyl (S)	90 %		15-120	1	11/02/10 00:00	11/10/10 13:28	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	22.6 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-101 / 1-1.25 Lab ID: 6087699020 Collected: 10/19/10 11:15 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	11097-69-1	
PCB-1260 (Aroclor 1260)	882 ug/kg		244	1	10/27/10 00:00	10/29/10 08:24	11096-82-5	
Tetrachloro-m-xylene (S)	85 %		35-124	1	10/27/10 00:00	10/29/10 08:24	877-09-8	
Decachlorobiphenyl (S)	83 %		15-120	1	10/27/10 00:00	10/29/10 08:24	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	21.3 %		0.50	1		10/26/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-102 / 1-1.25 Lab ID: 6087699022 Collected: 10/19/10 11:30 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	11097-69-1	
PCB-1260 (Aroclor 1260)	1740 ug/kg		256	1	10/27/10 00:00	10/29/10 08:39	11096-82-5	
Tetrachloro-m-xylene (S)	88 %		35-124	1	10/27/10 00:00	10/29/10 08:39	877-09-8	
Decachlorobiphenyl (S)	87 %		15-120	1	10/27/10 00:00	10/29/10 08:39	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	23.3 %		0.50	1			10/26/10 00:00	

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-103 / 0-0.25 Lab ID: 6087699024 Collected: 10/19/10 11:48 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	11097-69-1	
PCB-1260 (Aroclor 1260)	738 ug/kg		254	1	10/27/10 00:00	10/29/10 08:53	11096-82-5	
Tetrachloro-m-xylene (S)	90 %		35-124	1	10/27/10 00:00	10/29/10 08:53	877-09-8	
Decachlorobiphenyl (S)	90 %		15-120	1	10/27/10 00:00	10/29/10 08:53	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	23.0 %		0.50	1		10/26/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-107 / 1-1.25 Lab ID: 6087699026 Collected: 10/19/10 12:00 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	11097-69-1	
PCB-1260 (Aroclor 1260)	411 ug/kg		259	1	10/27/10 00:00	10/29/10 09:07	11096-82-5	
Tetrachloro-m-xylene (S)	88 %		35-124	1	10/27/10 00:00	10/29/10 09:07	877-09-8	
Decachlorobiphenyl (S)	89 %		15-120	1	10/27/10 00:00	10/29/10 09:07	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	25.7 %		0.50	1		10/26/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-111 / 0.5-0.75 Lab ID: 6087699028 Collected: 10/19/10 12:12 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	11097-69-1	
PCB-1260 (Aroclor 1260)	806 ug/kg		256	1	10/27/10 00:00	10/29/10 09:21	11096-82-5	
Tetrachloro-m-xylene (S)	89 %		35-124	1	10/27/10 00:00	10/29/10 09:21	877-09-8	
Decachlorobiphenyl (S)	90 %		15-120	1	10/27/10 00:00	10/29/10 09:21	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	25.5 %		0.50	1		10/26/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-115 / 0.5-0.75 Lab ID: 6087699030 Collected: 10/19/10 12:22 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		231	1	10/27/10 00:00	10/29/10 09:35	11096-82-5	
Tetrachloro-m-xylene (S)	87 %		35-124	1	10/27/10 00:00	10/29/10 09:35	877-09-8	
Decachlorobiphenyl (S)	89 %		15-120	1	10/27/10 00:00	10/29/10 09:35	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	21.8 %		0.50	1		10/27/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-117 / 1-1.25 Lab ID: 6087699032 Collected: 10/19/10 12:38 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	11097-69-1	
PCB-1260 (Aroclor 1260)	150000 ug/kg		24100	100	11/02/10 00:00	11/10/10 18:13	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	100	11/02/10 00:00	11/10/10 18:13	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	100	11/02/10 00:00	11/10/10 18:13	2051-24-3	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	21.7 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-117 / 2-2.25 Lab ID: 6087699033 Collected: 10/19/10 12:40 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	11097-69-1	
PCB-1260 (Aroclor 1260)	40600 ug/kg		2430	10	11/02/10 00:00	11/10/10 18:27	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	10	11/02/10 00:00	11/10/10 18:27	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	10	11/02/10 00:00	11/10/10 18:27	2051-24-3	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	23.5 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-118 / 1-1.25 Lab ID: 6087699035 Collected: 10/19/10 12:50 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	11097-69-1	
PCB-1260 (Aroclor 1260)	426 ug/kg		241	1	11/02/10 00:00	11/10/10 14:10	11096-82-5	
Tetrachloro-m-xylene (S)	77 %		35-124	1	11/02/10 00:00	11/10/10 14:10	877-09-8	
Decachlorobiphenyl (S)	86 %		15-120	1	11/02/10 00:00	11/10/10 14:10	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	19.0 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-118 / 2-2.25 Lab ID: 6087699036 Collected: 10/19/10 12:52 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	11097-69-1	
PCB-1260 (Aroclor 1260)	22300 ug/kg		2560	10	11/02/10 00:00	11/10/10 18:55	11096-82-5	
Tetrachloro-m-xylene (S)	0 %		35-124	10	11/02/10 00:00	11/10/10 18:55	877-09-8	D4,S4
Decachlorobiphenyl (S)	0 %		15-120	10	11/02/10 00:00	11/10/10 18:55	2051-24-3	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	25.7 %		0.50	1		11/01/10 00:00		

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ANALYTICAL RESULTS

Project: PCBs
Pace Project No.: 6087699

Sample: CS-119 / 0.5-1 Lab ID: 6087699038 Collected: 10/19/10 13:10 Received: 10/19/10 16:26 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/kg		241	1	11/02/10 00:00	11/10/10 14:39	11096-82-5	
Tetrachloro-m-xylene (S)	79 %		35-124	1	11/02/10 00:00	11/10/10 14:39	877-09-8	
Decachlorobiphenyl (S)	89 %		15-120	1	11/02/10 00:00	11/10/10 14:39	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	20.5 %		0.50	1			11/01/10 00:00	

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QUALITY CONTROL DATA

Project: PCBs
Pace Project No.: 6087699

QC Batch:	OEXT/26266	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
Associated Lab Samples:	6087699001, 6087699002, 6087699003, 6087699004, 6087699008, 6087699011, 6087699013, 6087699016, 6087699018, 6087699020, 6087699022, 6087699024, 6087699026, 6087699028, 6087699030		

METHOD BLANK: 725465 Matrix: Solid

Associated Lab Samples: 6087699001, 6087699002, 6087699003, 6087699004, 6087699008, 6087699011, 6087699013, 6087699016,
6087699018, 6087699020, 6087699022, 6087699024, 6087699026, 6087699028, 6087699030

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	10/29/10 10:03	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	10/29/10 10:03	
Decachlorobiphenyl (S)	%	91	15-120	10/29/10 10:03	
Tetrachloro-m-xylene (S)	%	87	35-124	10/29/10 10:03	

LABORATORY CONTROL SAMPLE: 725466

Parameter	Units	Spike	LCS	LCS	% Rec	Qualifiers
		Conc.	Result	% Rec	Limits	
PCB-1016 (Aroclor 1016)	ug/kg	166	167	100	64-114	
PCB-1260 (Aroclor 1260)	ug/kg	166	174	105	54-119	
Decachlorobiphenyl (S)	%			95	15-120	
Tetrachloro-m-xylene (S)	%			93	35-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 725467 725468

Parameter	Units	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max	RPD	RPD	Qual
		6087699003	Spike										
PCB-1016 (Aroclor 1016)	ug/kg	ND	1280	1320	1420	1430	112	109	29-150	1	29		
PCB-1260 (Aroclor 1260)	ug/kg	ND	1280	1320	1790	1690	120	109	37-126	6	29		
Decachlorobiphenyl (S)	%						92	92	15-120				
Tetrachloro-m-xylene (S)	%						89	90	35-124				

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QUALITY CONTROL DATA

Project: PCBs
Pace Project No.: 6087699

QC Batch: OEXT/26351 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 6087699005, 6087699006, 6087699007, 6087699009, 6087699012, 6087699014, 6087699017, 6087699019,
6087699032, 6087699033, 6087699035, 6087699036, 6087699038

METHOD BLANK: 728910 Matrix: Solid

Associated Lab Samples: 6087699005, 6087699006, 6087699007, 6087699009, 6087699012, 6087699014, 6087699017, 6087699019, 6087699032, 6087699033, 6087699035, 6087699036, 6087699038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.9	11/10/10 15:07	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.9	11/10/10 15:07	
Decachlorobiphenyl (S)	%	84	15-120	11/10/10 15:07	
Tetrachloro-m-xylene (S)	%	78	35-124	11/10/10 15:07	

LABORATORY CONTROL SAMPLE: 728911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	166	150	90	64-114	
PCB-1260 (Aroclor 1260)	ug/kg	166	164	99	54-119	
Decachlorobiphenyl (S)	%			91	15-120	
Tetrachloro-m-xylene (S)	%			83	35-124	M4

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QUALITY CONTROL DATA

Project: PCBs
Pace Project No.: 6087699

QC Batch:	PMST/5603	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	6087699001, 6087699002, 6087699003, 6087699004, 6087699008, 6087699011, 6087699013, 6087699016, 6087699018, 6087699020, 6087699022, 6087699024, 6087699026, 6087699028		

METHOD BLANK:	725272	Matrix:	Solid
Associated Lab Samples:	6087699001, 6087699002, 6087699003, 6087699004, 6087699008, 6087699011, 6087699013, 6087699016, 6087699018, 6087699020, 6087699022, 6087699024, 6087699026, 6087699028		

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
Percent Moisture	%	ND	0.50	10/26/10 00:00	

SAMPLE DUPLICATE: 725273

Parameter	Units	6087699020	Dup	Max	RPD	Qualifiers
		Result	Result			
Percent Moisture	%	21.3	22.7	7	20	

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QUALITY CONTROL DATA

Project: PCBs
Pace Project No.: 6087699

QC Batch:	PMST/5604	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	6087699030		

METHOD BLANK:	725331	Matrix:	Solid
Associated Lab Samples:	6087699030		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	10/27/10 00:00	

SAMPLE DUPLICATE: 725332

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6087586030	19.4	20.1	4	20

QUALITY CONTROL DATA

Project: PCBs
Pace Project No.: 6087699

QC Batch:	PMST/5624	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	6087699005, 6087699006, 6087699007, 6087699009, 6087699012, 6087699014, 6087699017, 6087699019, 6087699032, 6087699033, 6087699035, 6087699036, 6087699038		

METHOD BLANK: 728450	Matrix: Solid
Associated Lab Samples:	6087699005, 6087699006, 6087699007, 6087699009, 6087699012, 6087699014, 6087699017, 6087699019, 6087699032, 6087699033, 6087699035, 6087699036, 6087699038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	11/01/10 00:00	

SAMPLE DUPLICATE: 728451

Parameter	Units	6087699005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.4	25.4	0	20	

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QUALIFIERS

Project: PCBs
Pace Project No.: 6087699

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

- D4 Sample was diluted due to the presence of high levels of target analytes.
- M4 A matrix spike/matrix spike duplicate was not performed for this batch due to sample dilution.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PCBs
Pace Project No.: 6087699

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6087699001	CS-112/1-1.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699002	CS-113/1.1-1.35	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699003	CS-114/1-1.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699004	CS-108/1-1.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699005	CS-108/3.75-4	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699006	CS-116 / 0.5-0.75	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699007	CS-116 / 3.75-4	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699008	CS-109 / 1.5-1.75	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699009	CS-109 / 2-2.25	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699011	CS-110 / 1.5-1.75	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699012	CS-110 / 2.75-3	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699013	CS-104 / 1.25-1.5	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699014	CS-104 / 0-2.25	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699016	CS-105 / 1-1.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699017	CS-105 / 1.75-2	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699018	CS-106 / 1-1.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699019	CS-106 / 1.75-2	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699020	CS-101 / 1-1.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699022	CS-102 / 1-1.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699024	CS-103 / 0-0.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699026	CS-107 / 1-1.25	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699028	CS-111 / 0.5-0.75	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699030	CS-115 / 0.5-0.75	EPA 3546	OEXT/26266	EPA 8082	GCSV/9612
6087699032	CS-117 / 1-1.25	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699033	CS-117 / 2-2.25	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699035	CS-118 / 1-1.25	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699036	CS-118 / 2-2.25	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699038	CS-119 / 0.5-1	EPA 3546	OEXT/26351	EPA 8082	GCSV/9680
6087699001	CS-112/1-1.25	ASTM D2974-87	PMST/5603		
6087699002	CS-113/1.1-1.35	ASTM D2974-87	PMST/5603		
6087699003	CS-114/1-1.25	ASTM D2974-87	PMST/5603		
6087699004	CS-108/1-1.25	ASTM D2974-87	PMST/5603		
6087699005	CS-108/3.75-4	ASTM D2974-87	PMST/5624		
6087699006	CS-116 / 0.5-0.75	ASTM D2974-87	PMST/5624		
6087699007	CS-116 / 3.75-4	ASTM D2974-87	PMST/5624		
6087699008	CS-109 / 1.5-1.75	ASTM D2974-87	PMST/5603		
6087699009	CS-109 / 2-2.25	ASTM D2974-87	PMST/5624		
6087699011	CS-110 / 1.5-1.75	ASTM D2974-87	PMST/5603		
6087699012	CS-110 / 2.75-3	ASTM D2974-87	PMST/5624		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PCBs
Pace Project No.: 6087699

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6087699013	CS-104 / 1.25-1.5	ASTM D2974-87	PMST/5603		
6087699014	CS-104 / 0-2.25	ASTM D2974-87	PMST/5624		
6087699016	CS-105 / 1-1.25	ASTM D2974-87	PMST/5603		
6087699017	CS-105 / 1.75-2	ASTM D2974-87	PMST/5624		
6087699018	CS-106 / 1-1.25	ASTM D2974-87	PMST/5603		
6087699019	CS-106 / 1.75-2	ASTM D2974-87	PMST/5624		
6087699020	CS-101 / 1-1.25	ASTM D2974-87	PMST/5603		
6087699022	CS-102 / 1-1.25	ASTM D2974-87	PMST/5603		
6087699024	CS-103 / 0-0.25	ASTM D2974-87	PMST/5603		
6087699026	CS-107 / 1-1.25	ASTM D2974-87	PMST/5603		
6087699028	CS-111 / 0.5-0.75	ASTM D2974-87	PMST/5603		
6087699030	CS-115 / 0.5-0.75	ASTM D2974-87	PMST/5604		
6087699032	CS-117 / 1-1.25	ASTM D2974-87	PMST/5624		
6087699033	CS-117 / 2-2.25	ASTM D2974-87	PMST/5624		
6087699035	CS-118 / 1-1.25	ASTM D2974-87	PMST/5624		
6087699036	CS-118 / 2-2.25	ASTM D2974-87	PMST/5624		
6087699038	CS-119 / 0.5-1	ASTM D2974-87	PMST/5624		